

# An Overview of the Importance of Stainless Steel Instrumentation Fittings

Stainless steel instrumentation fittings are specialized fittings designed for use in instrumentation and control systems. These fittings are made from stainless steel, a corrosion-resistant alloy that is well-suited for applications in various industries, including oil and gas, chemical, petrochemical, pharmaceutical, and food processing.



# Types of Stainless Steel Instrumentation Fittings

- ▶ Compression Fittings
- ▶ Ferrule Fittings
- ▶ Needle Valves
- ▶ Manifold Valves
- ▶ Tube Fittings

# Compression Fittings

These fittings create a secure and tight connection between two tubes or pipes. They are commonly used in pressure gauges, flow meters, and other instruments.



# Ferrule Fittings

Ferrule fittings use a conical compression ring (ferrule) to create a strong, leak-proof connection between tubes or pipes.



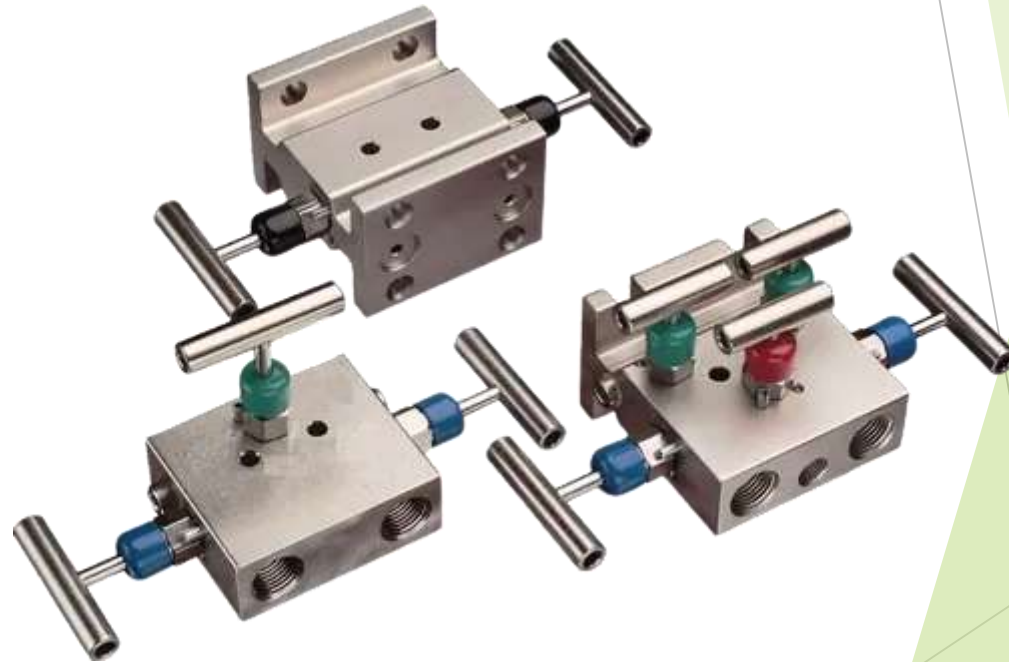
# Needle Valves

Stainless steel needle valves are used for precise flow control in instrumentation systems. They have a tapered needle-like stem that can be adjusted to regulate the flow rate.



# Manifold Valves

Manifold valves allow multiple connections in a compact arrangement, making them suitable for limited space applications.



# Tube Fittings

Tube fittings, such as tube-to-tube connectors, tube-to-male connectors, and tube-to-female connectors, are used for joining tubes in instrumentation systems.





# About Us

Global Steel is a significant manufacturer and exporter of Pipe Fittings, Forged Fittings, Flanges, Fasteners, Olets, Instrumentation Accessories, Tube Fittings, Valves, etc., in all ferrous and non-ferrous materials. As a pioneer and leader in the industry, Global Steel is at the forefront of technology and research.

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